

Performance Measures and Health Index of Intelligent Transportation Systems Assets

TMC Pooled Fund Study: <https://tmcdfs.ops.fhwa.dot.gov>

FHWA Publication: FHWA-HOP-20-025

National Operations Center of Excellence (NOCoE) Webinar

September 10, 2020

Jon T. Obenberger, Ph.D., P.E.
Federal Highway Administration

Webinar Overview:

- **Purpose:** To explore successful practices with managing ITS assets such as defining goals, objectives, data sources, and voluntary performance measures.
- **Objectives:** After participating in this webinar, attendees will be able to:
 - Identify possible goals of an asset management plan.
 - List possible State or local agency performance measures to assess the conditions of different assets.
 - Identify potential data sources for assessing the condition of different assets.
 - List possible activities of an asset management effort.

Webinar Presentations:

- Project Overview, TMC Pooled Fund Study, Rodney Schilling, (Nevada DOT)
- Performance Measures and Health Index of ITS Assets, Dan Lukasik (Parsons)
- Nevada DOT Asset Management Practices for ITS Devices and TMCs, Lashonn Ford and James Whalen (Nevada DOT)
- Georgia DOT Asset Management Practices for ITS Devices and TMCs, Emily Dwyer (Georgia DOT)
- Questions and Answers, Rodney Schilling (Nevada DOT)
- Closing Remarks, Jon Obenberger (FHWA)

Traffic Management Center Pooled Fund Study Project

Performance Measures and Health Index of Intelligent Transportation Systems Assets

Final Report: FHWA-HOP-20-025

TMC Pooled Fund Study: <http://tmcpfs.ops.fhwa.dot.gov>

Rodney Schilling, Nevada DOT

Why do agencies need to apply asset management practices to ITS Devices and TMCs?

Asset management practices help agencies:

- Monitor, assess and report on conditions of specific assets
- Integrate the condition of assets into planning for future TMCs investments
- Incorporate condition of assets into day-to-day TMC management and operation
- Improve the allocation of resources needed for routine maintenance, repairs or replacements to improve operational reliability of devices and TMCs
- Explore and initiate activities, resources and methods to establish, conduct, and sustain asset management activities

TMC Pooled Fund Study Project - Performance Measures and Health Index of ITS Assets

- Synthesis of current practices with using asset management practices for ITS assets and TMCs.
- Provide examples of how asset management practices can improve the management, maintenance, and reliability of ITS devices & TMCs.
- Explore the integration of assets conditions into TSMO Plans, Transportation Asset Management Plans (TAMPs), or other agency or regional plans.
- Capture results of project in final report available on TMC webpage.
- Conduct webinar to share information.

Traffic Management Center Pooled Fund Study

For additional Information:

- Recording and presentations from today's webinar:
<https://transportationops.org/knowledge-center>
- Performance Measures and Health Index of Intelligent Transportation Systems Assets: Report FHWA-HOP-20-025
- TMC Pooled Fund Study: <http://tmcpfs.ops.fhwa.dot.gov>